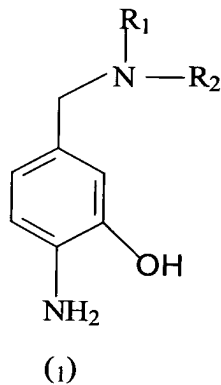


(4)

**ABSTRACT**

Primary intermediates for hair coloring compositions for oxidative dyeing of hair are compounds of the formula (1):



where  $R_1$  and  $R_2$  are each individually selected from a hydrogen atom, a  $C_1$  to  $C_3$  alkyl group, a  $C_1$  to  $C_5$  mono or dihydroxyalkyl group, phenyl or benzyl optionally substituted with an alkoxy group, or  $R_1$  and  $R_2$  together with the nitrogen atom to which they are attached form a piperazine, piperidine, imidazole, or morpholine ring.